

## ABSTRACT

An automated fiber preparation system and method for automatically fabricating an optical fiber. One or more fabrication processes associated with fiber preparation may be performed on an optical fiber without requiring active user input. The fiber preparation system may be configured to automatically carry out each of the process steps for fabricating an optical fiber pigtail. The fiber preparation system may include a fiber preparation module that is configured to automatically prepare one or both ends of an optical fiber in anticipation of one or more subsequent manufacturing processes involving the fiber.